

Math 8 Portion of IB Community Service Project

The math portion of the project is to collect, display and reflect on data. While you are doing your project and research you should be collecting data to be displayed. **Due Date: 12/4 (Purple Day) and 12/5 (Red Day)**

1. The data needs to be bivariate (two variable) data. examples: time and money; or number of persons helped and number of days(hours); survey results: number of response (on a topic) and number of people surveyed, etc.
2. You need an x (*Domain*) and a y (*Range*) because you will be graphing your data using a computer program (Excel or other type spreadsheet) or a manual graph and determining the slope.
3. Once you have graphed your data, you will compare your graph to your expectations from the proposal for action and use that analysis to write a one paragraph reflection on the results of your action.
4. You will need to include the graph and reflection in your presentation (slide in PowerPoint, posted on a display board, handout to each student in your ATL, etc.).
5. The graph needs to be explained as part of your presentation for IB Community Service Project.

Achievement Level	8-7	6-5	4-3	2-1	0
Criterion C - Taking Action	ii. demonstrate excellent thinking skills	ii. demonstrate substantial thinking skills	ii. demonstrate adequate thinking skills	ii. demonstrate limited thinking skills	Students do not achieve a standard described by any of the descriptors below.
Criterion D - Reflecting	i. present an excellent evaluation of the quality of the service as action against the proposal	i. present a substantial evaluation of the quality of the service as action against the proposal	i. present an adequate evaluation of the quality of the service as action against the proposal	i. present a limited evaluation of the quality of the service as action against the proposal	Students do not achieve a standard described by any of the descriptors below.
Task-Specification	100-95 pts. - Graph is created and displayed accurately (X,Y). Dependence has been determine appropriately when applicable. - Slope is calculated accurately with DM. -Graph contains two variables that are relevant to their proposed community action. - Reflection is well-written, accurate, & expresses that they have met all goals of their proposal for action.	90-85 pts. - Graph is created & displayed accurately (X,Y). Dependence has been determine appropriately when applicable. - Slope is calculated accurately with single method. -Graph contains two variables that are relevant to their proposed community action. - Reflection is written, accurate, & expresses that they have met goals of their proposal for action.	80-75 pts. - Graph is created and displayed (X,Y). - Slope is calculated using the correct process; however, a arithmetic error is made. -Graph contains two variables that are somewhat relevant to their proposed community action. - Reflection is written, has some degree of accuracy and little connection to the goals.	70-65 pts. - Graph is created and displayed (X,Y) although they lack appropriate labels. - Slope is calculated with the wrong process. - Graph contains two variables that are irrelevant to their proposed community action. - Reflection is written, but either inaccurate of lacking detail.	Student will receive no grade until completed. In class conference with math teacher or IB coordinator might be required.
Comments on IB Achievement Level -					Total Points ____/100

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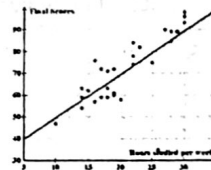
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MATH PORTION OF THE COMMUNITY PROJECT

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GENERAL INSTRUCTIONS

1. The data needs to be bivariate (two variable) data. Example: time and money; or number of persons helped and number of days(hours); Survey results: Number of response (on a topic) and number of people surveyed, etc.
2. You need an x (*Domain*) and a y (*Range*) because you will be graphing your data using a computer program (Excel or other type spreadsheet) or a manual graph and determining the slope.
3. You will need to include the graph in your presentation (slide in PowerPoint, posted on a display board, handout to each student in your ATL, etc.).
4. The Graph needs to be explained as part of your presentation for ATL Community Service Project.

QUESTIONS?



- You will receive the rubric in your Math class and can ask more questions at that point.
- In the mean time, make sure you are collecting data as your perform your action!
- Remember this will be taken for a grade in your math classes.